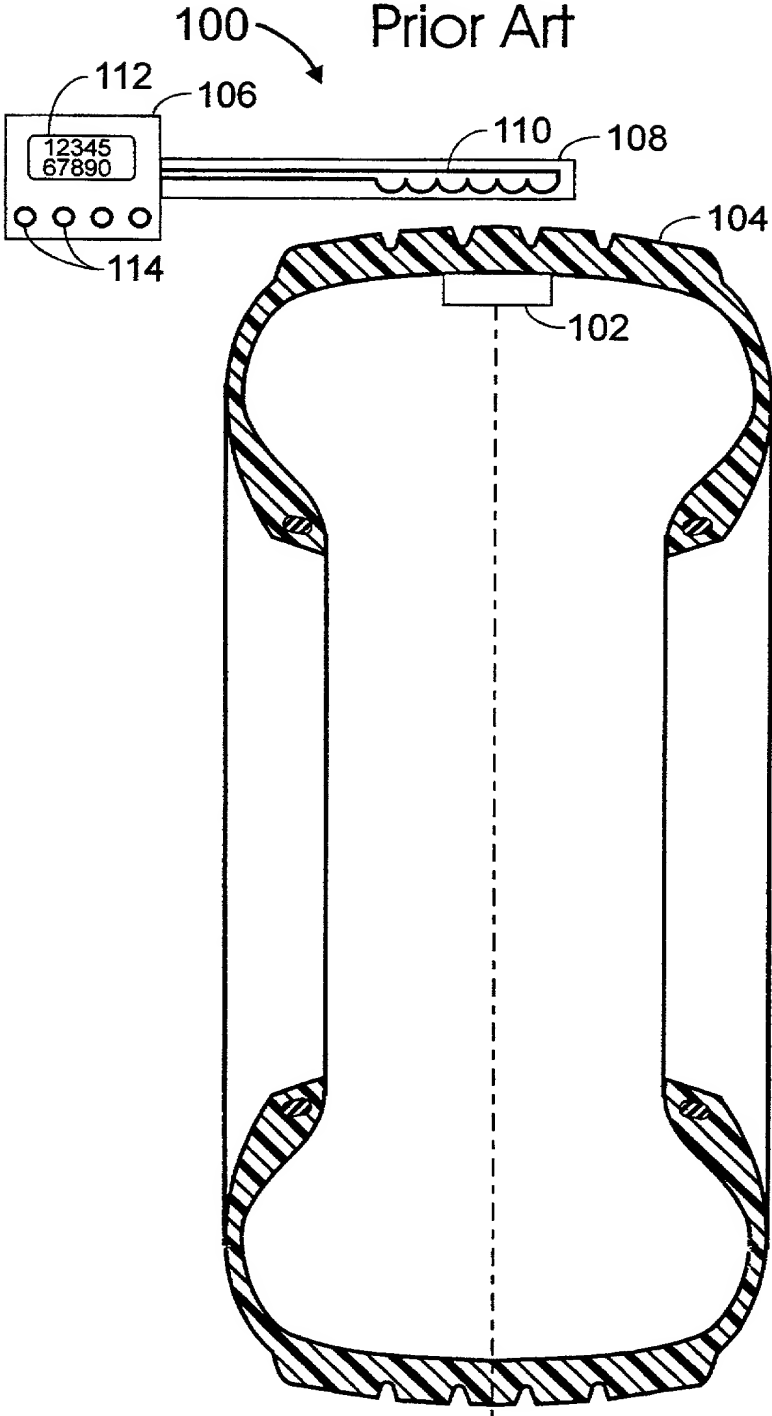


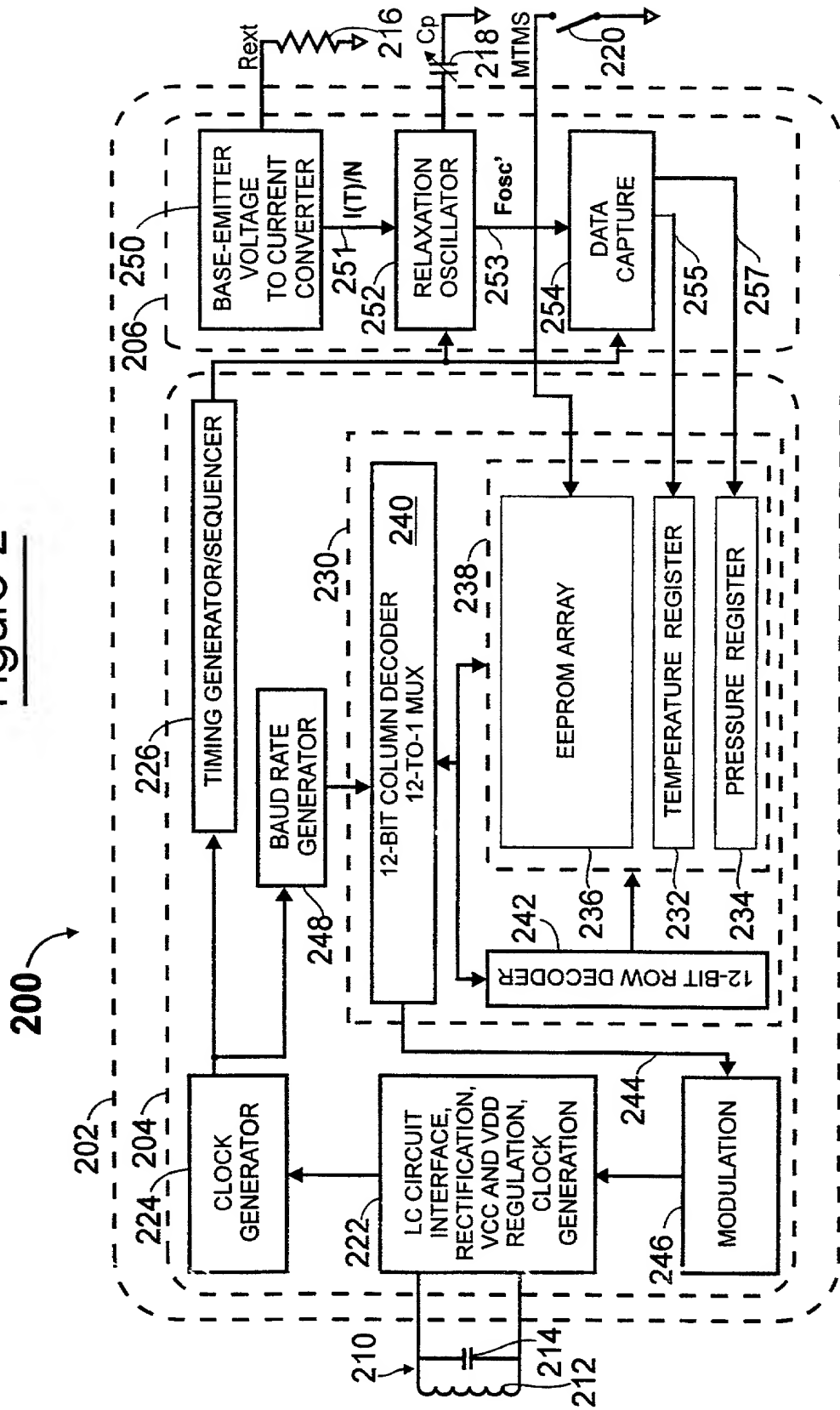
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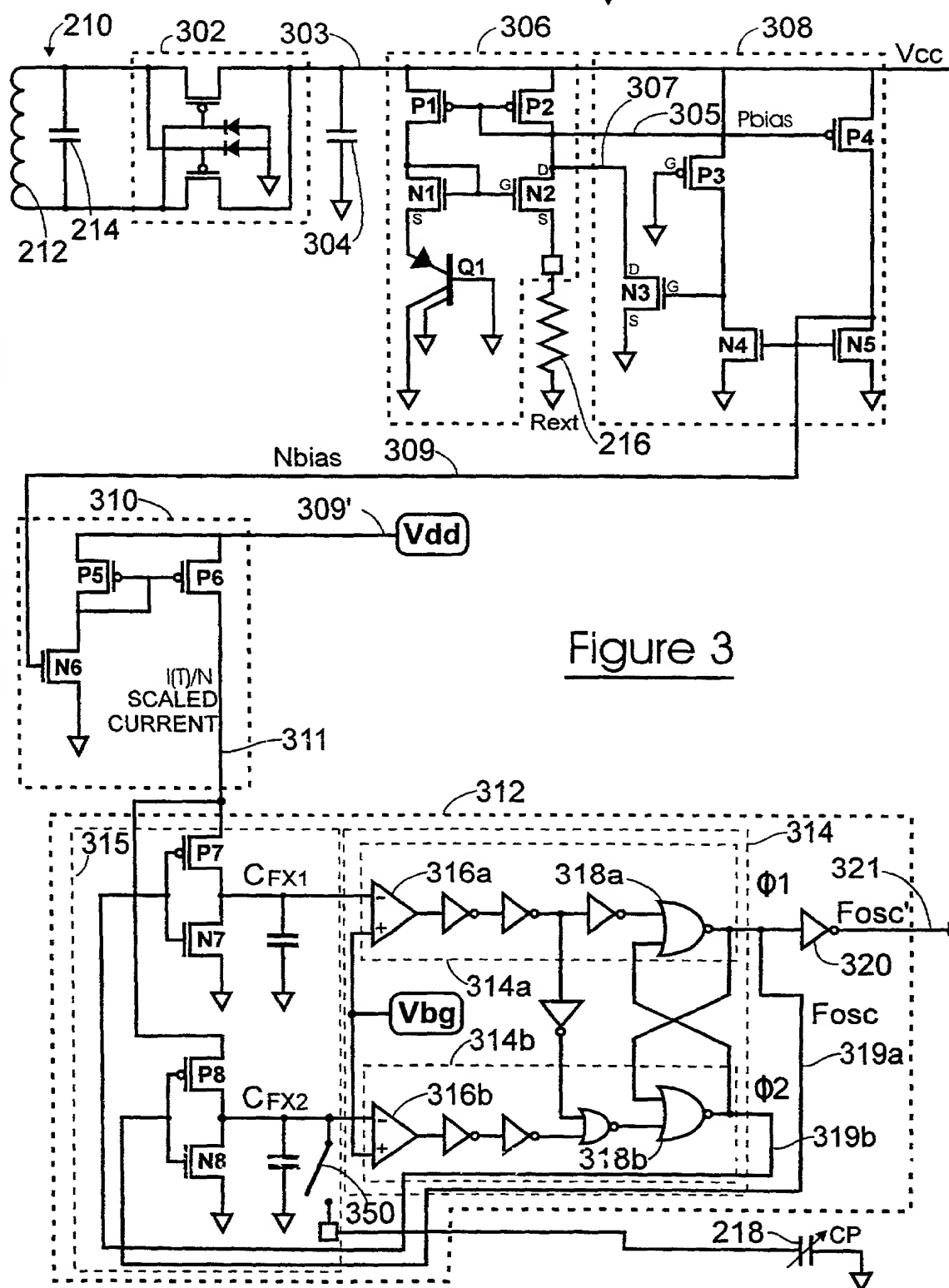
Figure 1
Prior Art



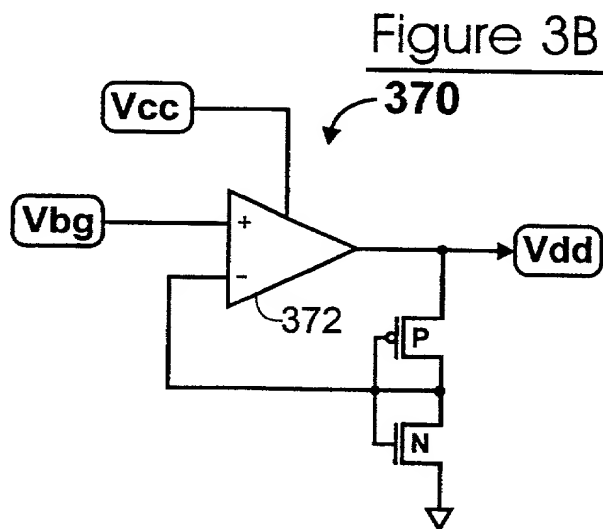
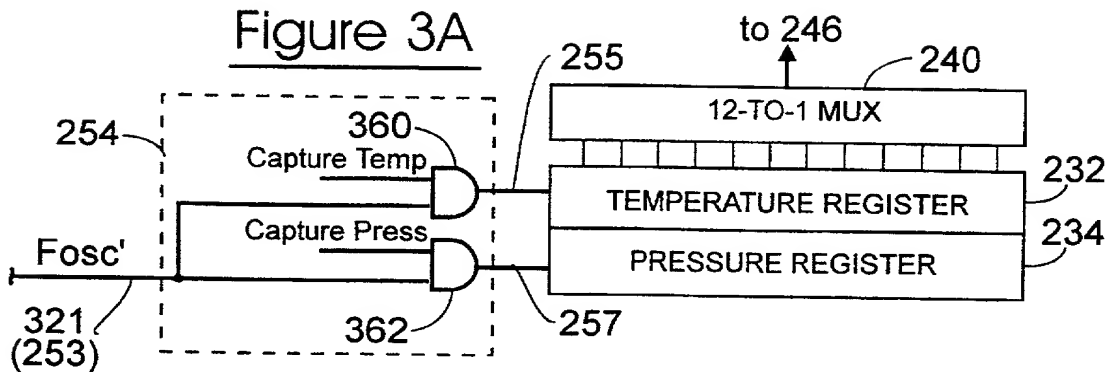
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Figure 2





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**Figure 3C**

← 12 COLUMNS →	
ROW 1	SYNC 000..011
ROW 2	DATA 012..023
ROW 3	DATA 024..035
ROW 4	DATA 036..047
ROW 5	DATA 048..059
ROW 6	DATA 060..071
ROW 7	DATA 072..082, MTMS 083
ROW 8	TEMP COMP 084..095
ROW 9	PRESS COMP 096..107
ROW 10	TEMP/PRESS SLOPES 108..113, 114..119
ROW 11	TEMP COUNT (NT) 120..131
ROW 12	PRESS COUNT (NP) 132..143

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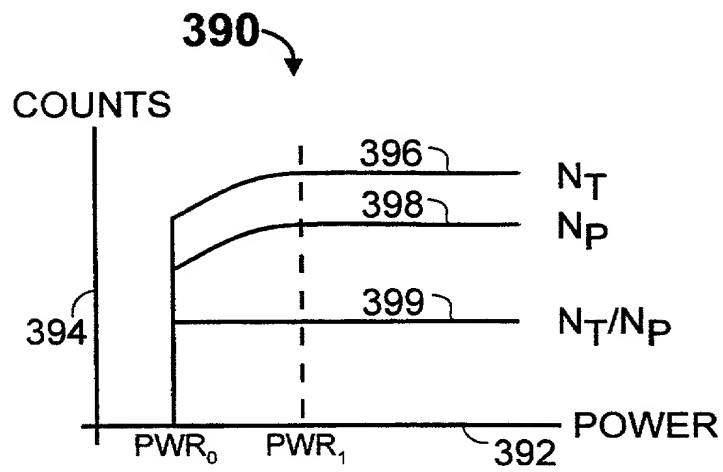
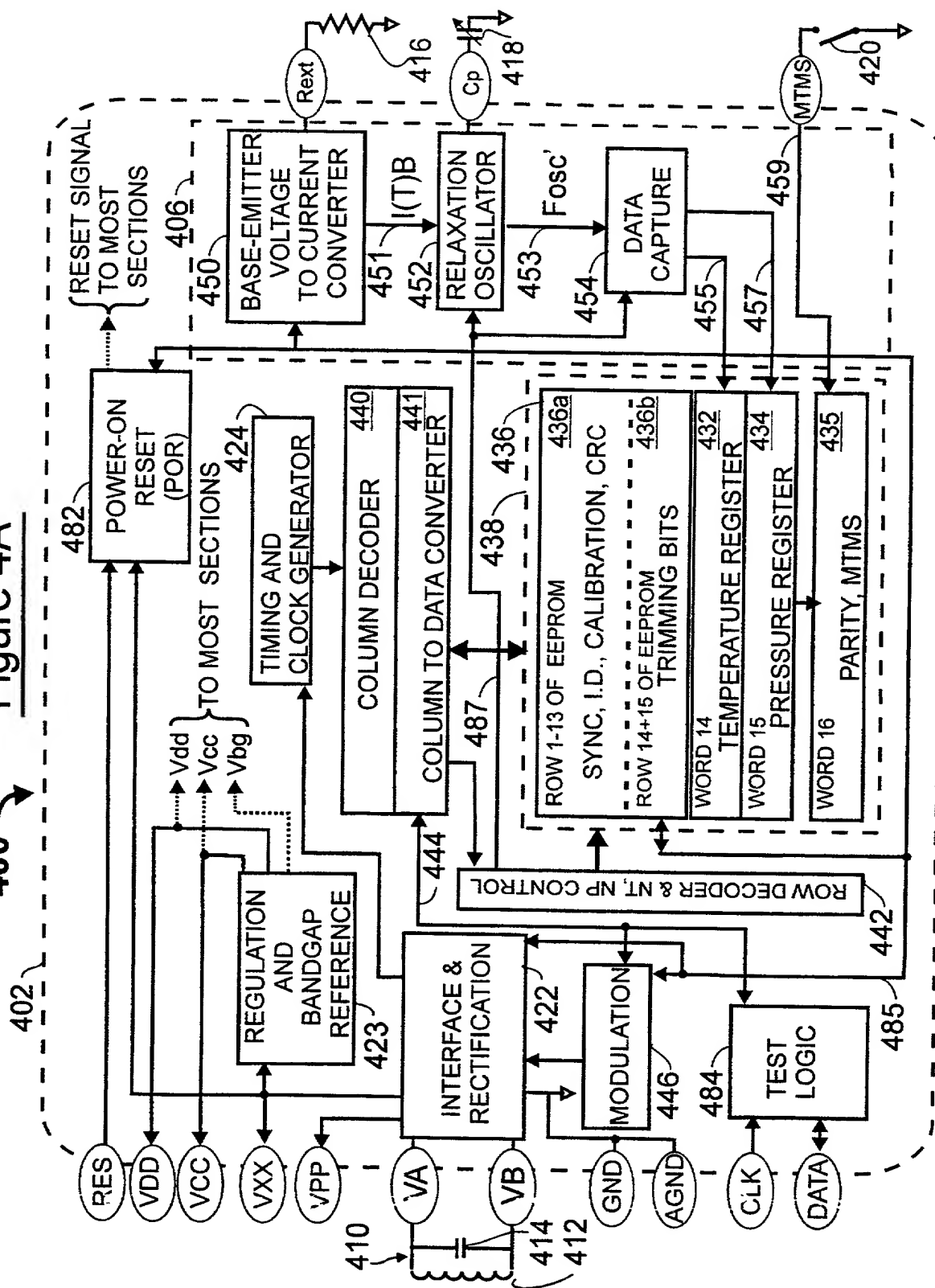
Figure 3D

Figure 4A



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Figure 4B

EEPROM LOCATION	DATA STREAM	← 12-BIT WORDS →	
ROW 1	WORD 1	SYNC WORD (12)	12-BIT SYNC WORD
ROW 2	WORD 2	ID (12)	48 BITS OF USER ID
ROW 3	WORD 3	ID (12)	
ROW 4	WORD 4	ID (12)	
ROW 5	WORD 5	ID (12)	
ROW 6	WORD 6	TEMPERATURE CALIBRATION (12)	48 BITS OF TEMPERATURE & PRESSURE CALIBRATION DATA
ROW 7	WORD 7	TEMPERATURE CALIBRATION (12)	
ROW 8	WORD 8	PRESSURE CALIBRATION (12)	
ROW 9	WORD 9	PRESSURE CALIBRATION (12)	
ROW 10	WORD 10	CHIP ID (12)	36 BITS OF TRANSPONDER CHIP ID
ROW 11	WORD 11	CHIP ID (12)	
ROW 12	WORD 12	CHIP ID (12)	
ROW 13	WORD 13	CAL ID (4) CRC (8)	4-BIT CALIBRATION ID AND 8-BIT CRC
	WORD 14	TEMPERATURE NT (12)	TEMPERATURE (NT) AND PRESSURE (NP) DATA REGISTERS
	WORD 15	PRESSURE NP (12)	
	WORD 16	OPEN (5), MTMS(1), NP, NT PARITY(6)	11111, MTMS STATUS, AND PARITY OF NP, NT DATA
ROW 14		TRIMMING BITS (12)	12-BIT TRIMMING REGISTER
ROW 15		TRIMMING INVERSE BITS (12)	

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Figure 5

